

FDF EIF

OBJECTIVES:

Verify the following Message Types/Classes can be supported by the FDF/NCC:

- 03/10 Improved Interrange Vector - Nominal
- 03/15 Improved Interrange Vector - In-flight Update

Verify the NCC capability to receive Maneuver sequences.

Verify the ability of the NCC to receive a Bulk Vector Transmission from FDF.

PREREQUISITES:

Successful completion of CSA OPS Scenario TBD.

TEST SETUP:

- Vector Database shall be void of vectors through the end of the next RAYDAY.
- VTRS shall be configured to inhibit transmission.

TEST SCRIPT:

<u>STEP</u>	<u>ELEMENT</u>	<u>ACTION</u>
<i>Free Flight Vector</i>		
Step 1.	FDF	Transmits a single Free Flight vector (03/10 type 1) for TDRS-4.
Step 2.	NCC	Verifies receipt of the single Free Flight vector (03/10 type 1) for TDRS-4.
<i>Stationary Vector</i>		
Step 3.	FDF	Transmits a single Stationary vector (03/10 type 8) for 1310 (WSC BRTS)
Step 4.	NCC	Verifies receipt of the single Stationary vector (03/10 type 1) for 1310 (WSC BRTS).
<i>Launch Sequence</i>		
Step 5.	FDF	Transmits a Launch Sequence (03/15) to the NCC.
Step 6.	NCC	Verify receipt of the Ephemeris set via alerts and displays.
<i>Landing Sequence</i>		
Step 5.	FDF	Transmits a Landing Sequence (03/15) to the NCC.
Step 7.	NCC	Verify receipt of the Ephemeris set via alerts and displays.
<i>Bulk Vector Transmission</i>		

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| Step 8. | FDF | Initiates a bulk Vector transmission to the NCC for the next RAYDAY. FDF to report number of vectors transmitted. |
| Step 9. | NCC | Verify receipt of vectors transmitted. |